

Observations of Comet Gale made with the 11½-inch Refractor of Sydney Observatory.

1894.	Syd. M. T. h m s	Δ R.A. m s	Δ N.P.D. °	Op.	App. R.A. h m s	Log p. Δ	App. N.P.D. °	Log p. Δ	Red. ad l. app. s	*	Observer.
Apr. 5	7 59 17	- 2 15.31	- 6 11.8	9	2 42 22.44	9.938	145 36 22.7	0.488	- 1.00 + 1.7	1	R. P. Sellors.
5	8 42 39	- 4 11.16	+ 1 57.8	8	2 42 34.62	9.926	145 36 17.8	0.624	- 0.99 + 1.8	2	"
5	8 56 6	- 5 34.96	+ 5 36.2	4	2 42 37.99	9.919	145 36 17.9	0.658	- 1.00 + 1.8	3	"
12	8 15 0	+ 4 47.20	+ 5 49.1	5	3 36 41.84	9.929	144 46 26.5	0.455	- 1.06 + 1.8	4	H. C. Russell.
12	8 49 1	- 4 38.23	- 2 49.1	5	3 36 55.63	9.924	144 46 4.5	0.572	- 1.06 + 2.2	5	R. P. Sellors.
12	9 27 48	- 4 39.62	+ 9 1.5	4	3 37 11.04	9.907	144 45 33.4	0.673	- 1.05 + 2.3	6	"
16	9 11 8	- 12 36.20	- 1 9.8	2	4 19 48.30	9.906	142 54 42.2	0.570	- 1.01 + 3.8	7	"
17	7 36 27	- 3 59.70	- 2 50.3	7	4 31 8.06	9.881	142 13 6.5	0.074	- 1.00 + 3.7	8	"
20	7 57 15	+ 4 35.92	- 7 30.4	5	5 11 0.82	9.847	138 59 19.1	0.121	- 0.87 + 4.6	9	"
23	8 36 9	+ 4 31.66	+ 6 54.1	6	5 54 47.44	9.809	133 41 40.0	0.292	- 0.65 + 6.0	10	"
23	9 8 59	+ 0 29.90	+ 1 49.4	6	5 55 7.86	9.824	133 38 37.3	0.425	- 0.63 + 6.2	11	"
24	8 0 47	- 4 6.74	- 3 21.8	7	6 9 18.36	9.754	131 26 20.6	0.101	- 0.52 + 6.8	12	"
25	7 55 17	+ 1 50.60	- 2 38.8	6	6 24 8.11	9.718	128 49 55.1	0.098	- 0.45 + 6.8	13	"
26	7 57 51	+ 2 13.73	- 8 38.7	5	6 38 57.68	9.690	125 53 36.2	0.159	- 0.33 + 6.9	14	"
27	7 37 40	+ 2 35.00	+ 2 25.5	10	6 53 20.30	9.626	122 41 55.4	0.142	- 0.23 + 6.9	15	"
27	8 12 35	- 1 21.26	+ 2 6.3	10	6 53 41.29	9.679	122 36 50.6	0.270	- 0.20 + 7.1	16	"

Mean Places of Comparison Stars, 1894.0.

*	R.A. 1894.0.			N.P.D. 1894.0.	Authority.
	h	m	s		
1	2	44	38.75	145° 42' 32".8	Cord. Z. C. 1209.
2	2	46	46.77	145 34 18.2	St. 1169, Cord. G. C. 3051.
3	2	48	13.95	145 30 39.9	St. 1177, Cord. G. C. 3081.
4	3	31	55.70	144 40 35.6	St. 1494, Cord. G. C. 3970.
5	3	41	34.92	144 48 51.4	St. 1583, Cord. G. C. 4176.
6	3	41	51.71	144 36 29.6	St. 1586, Cord. G. C. 4185.
7	4	32	25.51	142 55 48.2	Cord. G. C. 5213.
8	4	35	8.76	142 15 53.1	Cord. G. C. 5267.
9	5	6	25.77	139 6 44.9	St. 2266, Cord. G. C. 5954.
10	5	50	16.43	133 34 39.9	St. 2684, Cord. G. C. 6965.
11	5	54	38.59	133 36 41.7	Cord. G. C. 7092.
12	6	13	25.62	131 29 35.6	Cord. G. C. 7607.
13	6	22	17.96	128 52 27.1	Cord. G. C. 7851.
14	6	36	44.28	126 2 8.0	Cord. G. C. 8255.
15	6	50	45.53	122 39 23.0	Cord. G. C. 8654.
16	6	55	2.75	122 34 37.2	St. 3338, Cord. G. C. 8769.

Observatory, Sydney :  
1894 April 30.

*Observations of Gale's Comet (b 1894) made at the Royal Observatory, Greenwich.*

(Communicated by the Astronomer Royal.)

The observations were made with the East, or Sheepshanks, equatorial, aperture 6·7 inches, by taking transits over two cross-wires at right angles to each other, and each inclined 45° to the parallel of declination. Magnifying power 55.

Greenwich Mean Solar Time.			Observer.	*—*R.A.		Corr. for Refraction.	Log factor of Parallax.	*—*N.P.D.		Corr. for Refraction.	Log factor of Parallax.	No. of Comps.	Apparent R.A.		Apparent N.P.D.		Comp. Star.
d	h	m s		m	s			'	"				h	m s	°	'	
1894. May	12	9 48 26	C.D.	—0	39·40	0·00	9·4993	+ 0 33·2	0·0	0·0	0·7261	5	...	...	...	...	a
	12	11 57 7	"	+0	47·99	0·00	9·5933	— 3 46·2	—0·3	0·0	0·8001	2	9 37 27·97	69 29 9·8	61 40 23·8	61 40 20·8	b
	17	9 21 20	"	+0	36·92	0·00	9·4657	+ 2 27·1	0·0	0·0	0·6225	7	10 6 12·35	61 40 23·8	61 40 20·8	61 40 20·8	c
	17	9 22 32	B.	+0	36·51	0·00	9·4684	+ 2 24·1	0·0	0·0	0·6234	3	10 6 11·94	61 40 20·8	61 40 20·8	61 40 20·8	c
	18	10 3 26	A.C.	—3	18·47	0·00	9·5378	— 4 52·7	0·0	0·0	0·6452	2	10 11 22·06	60 26 31·7	60 26 14·0	60 26 14·0	d
	18	10 14 46	D.	—3	16·95	0·00	9·5519	— 5 10·4	0·0	0·0	0·6558	3	10 11 23·58	60 26 14·0	60 26 14·0	60 26 14·0	d
	18	10 51 51	J.	—3	11·51	0·00	9·5899	— 7 5·8	—0·1	0·0	0·6916	3	10 11 29·02	60 24 18·5	60 24 18·5	60 24 18·5	d
	21	9 24 33	H.	—0	52·49	0·00	9·4852	+22 38·9	+0·1	0·0	0·5666	3	10 24 59·34	57 27 9·2	57 27 9·2	57 27 9·2	e
	21	9 56 31	"	+1	42·81	0·00	9·5383	— 0 56·6	0·0	0·0	0·6016	6	10 25 6·26	57 26 3·5	57 26 3·5	57 26 3·5	f
	21	9 56 31	"	—1	25·00	0·00	9·5383	— 3 42·4	0·0	0·0	0·6016	6	10 25 5·81	57 26 4·4	57 26 4·4	57 26 4·4	g
	23	9 30 42	A.C.	—0	7·83	0·00	9·5040	+14 28·4	0·0	0·0	0·5491	3	...	...	...	...	h
	23	9 38 56	"	—1	40·12	0·00	9·5181	—14 30·9	0·0	0·0	0·5589	3	...	...	...	...	i